

**Official Gazette for Kokai Patent Applications, Front Page**

(11) Publication no.: Unexamined Patent Application Publication No. H07-201249  
(43) Disclosure date: August 04, 1995

(51) Int. Cl.<sup>6</sup> H01H 13/52  
3/52  
13/26

(21) Application Patent Application No. H05-352870  
no.:

(22) Applic. date: December 29, 1993

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(54) Rubber Contact Switch

(57) [Abstract]

[Purpose] To provide a rubber contact switch with which favorable operation feeling with strong click feeling can be obtained in spite of usage of raw material of a thermoplastic elastomer resin, and provide a rubber contact switch having a high heat-resistant restoration [property] by which a movable contact part can be securely restored to an initial condition, together with a pushbutton part, even under a high-temperature operation condition.

[Constitution] The rubber contact switch 5 of the present invention is characterized in that [it comprises] a thick pushbutton part 3 protruded from a thick base part through a thin dome part 2 and a movable contact part 4 on the back surface side thereof, which are integrally formed by means of the injection molding of a thermoplastic elastomer resin composite.

The thickness of the aforementioned dome part 2 is set to be within a range of 0.10-0.30 mm, a standing angle is set to be within a range of 35-60 degrees, a click ratio is set to be within 20-80%, and in particular heat treatment at 80-120°C is applied for 5-120 min.

